



ClearOne's Wireless Microphone System is the most economical, versatile, and easily scalable wireless system in the market today with unprecedented ease-of-use and simple installation.

This microphone system complements other professional audio products from ClearOne including CONVERGE® Pro 1 & 2 Mixers, INTERACT Mixers, CONVERGE Matrix products. WS800 Receiver comes with and without Dante™ built-in audio networking.

### Flexibility

- + Reliable digital wireless system is the best for flexible spaces and upgrading existing areas without access to cable paths

### Economical

- + Cost-effective and flexible as one system can serve the wireless needs of up to six rooms

### Scalability

- + Provides up to 32 channels per RF band allowing channels to be added in the field to respond to future growth

### Audio Quality

- + From 20 Hz to 20 kHz very low-latency digital audio, enhanced through the Dante™ interface

### Mixed Audio Outputs

- + Balanced line or headphone output and the GUI can be used to send control signals to the main and mixed outputs

### Multiple RF Ranges

- + M500: 486 MHz to 512 MHz
- + M550: 537 MHz to 563 MHz
- + M586: 573 MHz to 599 MHz
- + M610: 605 MHz to 632 MHz
- + M715: 712 MHz to 737 MHz
- + M800: 793 MHz to 819 MHz
- + M915: 902 MHz to 928 MHz
- + M930: 917 MHz to 943 MHz



### VENUES

Boardrooms

Conference Rooms

Courtrooms

Training Rooms

Auditoriums

Houses of Worship



Model	Part Numbers	RF Range	Available Options
WS840 (4 output channels)	910-6000-401	M915 (902-928 MHz)	-D: Dante network capability -X: Euroblock to XLR Adapter -S: Receiver is a Stage Audio receiver -C: Audio Compression
	910-6000-402	M715 (712-737 MHz)	
	910-6000-403	M610 (605-631 MHz)	
	910-6000-404	M550 (537-563 MHz)	
	910-6000-405	M586 (573-599 MHz)	
	910-6000-406	M800 (793-819 MHz)	
	910-6000-407	M930 (917-943 MHz)	
	910-6000-408	M500 (486-512 MHz)	
WS880 (8 output channels)	910-6000-801	M915 (902-928 MHz)	
	910-6000-802	M715 (712-737 MHz)	
	910-6000-803	M610 (605-631 MHz)	
	910-6000-804	M500 (486-512 MHz)	
	910-6000-805	M586 (573-599 MHz)	
	910-6000-806	M800 (793-819 MHz)	
	910-6000-807	M930 (917-943 MHz)	
	910-6000-808	M550 (537-563 MHz)	

## PRODUCT SPECIFICATIONS

### WS800 Wireless Microphone System:

- Wireless System: Up to 24-bit, 48 KHz, digital audio RF technology
- Channels: 4 or 8-channel receivers
- Daisy-chainable up to 32 channels per RF band
- RF Range:
 

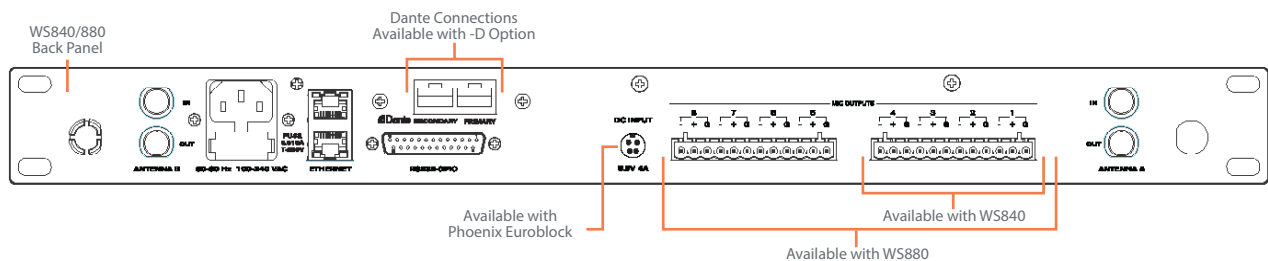
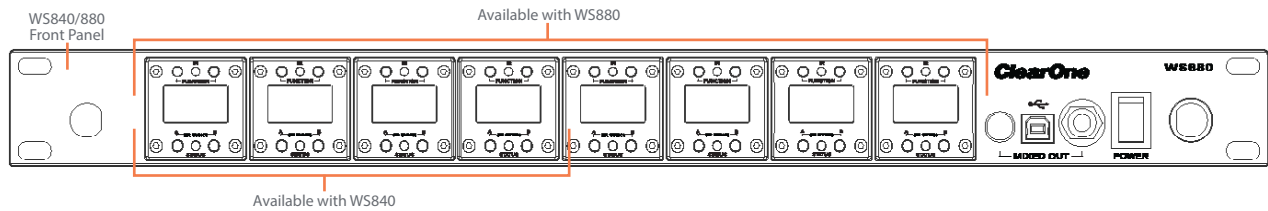
M500: 486 MHz to 512 MHz	M800: 793 MHz to 819 MHz
M550: 537 MHz to 563 MHz	M915: 902 MHz to 928 MHz
M586: 573 MHz to 599 MHz	M930: 917 MHz to 943 MHz
M610: 605 MHz to 632 MHz	
M715: 712 MHz to 737 MHz	
- Working Range: 300 feet (line-of-sight)
- Encryption: 256 bit key (AES) always-on, laboratory-verified NSA FIPS 197 standard
- Frequency Response:
 

16 channels 20 Hz - 20 KHz (stage)
32 channels 20 Hz - 20 KHz (compressed, conference)
32 channels 20 Hz - 12 KHz (non-compressed, conference)
- S/N Ratio: 109 dB (typical 'A' weighted)
- Total Harmonic Distortion: <0.03% @ 1kHz
- Latency:
 

Stage..... 3 ms
Conference, non-compressed..... 4 ms
Conference, compressed..... 9-10 ms
- Stability: <5 ppm
- Operation Temperature Range: 0 - 50 degrees Celsius ambient temperature

### Receiver (Base Station)

- Channels per receiver: 4-channels (WS840), 8 channels (WS880)
- Power Requirements: 100-240 VAC 50-60 Hz, 15 Watts
- Display: OLED
- External Antennas: Support up to six pairs per system
- Antenna Distribution: Attach up to 32 channels to one pair of antennas
- Analog Audio Outputs: Phoenix terminal blocks or with XLR adapters
- Output Impedance: 100 Ohm
- Headphone out (mixed): Balanced 1/4 inch TRS mixed line out for recorders or powered speakers; or headphone out
- Interface: USB, RS232 & Ethernet (dual port 10/100 Mbps)
- Dante™ Audio channels: Eight (8) digital outputs @ 48 KHz.
- Dante Ports: Primary & secondary, RJ45 ports, 100/1000 Mbps, 328 ft.
- GPIO Interface: 22 programmable pins
- Gain Adjustment Range: -20 dB to +31 dB
- Dimension: 1-U rack-mount, 19 x 1.75 x 6.5 inches
- Weight: 4.7 lbs (2.14 kg) for 8-channel receiver; 4.5 lbs (2.04 kg) for 4-channel receiver



Note: Receivers with -X option come with Euroblock-to-XLR adapters.

PRODUCT SPECIFICATIONS

**Charging Station (Docking Station)**

- Housing: ABS
- Capacity: Charges 8 microphones simultaneously (mix and match any type of the supplied microphones)
- Power: 5.6V DC / 4 A
- Dimension: 13.25 x 5.75 inches
- Weight: 1.30 lbs (0.58 Kg)



**Extension Antennas**

- Mount: Wall mount, ceiling or mic-stand mount
- Connectors: Straight connectors
- Reception Pattern: 130-degree reception pattern
- Gain: Provides 15 dB of RF gain (915 MHz)
- Power: Phantom-powered from the receiver
- Dimensions: 5.8 "(dia) x 1.125 "(d) (14.8 cm x 2.9 cm)
- Weight: .55 lbs (0.24 Kg)



**Transmitters (Microphones)**

- Mic Polar Pattern : Cardioid, Omni
- RF Output: 1, 10, 25 or 50 mW, user selectable
- Power: USB or AA rechargeable (included) or AA disposal
- Antenna: Internal
- LED Indicators: Battery status, mute status
- Button: Press to talk, press to mute (or logic mute), toggle on/off
- Programmable Switch: Talk, mute, logic mute, on / off
- Frequency Response: 60 - 20 kHz (Omni version); 60 - 15 kHz (Cardioid version)
- Signal-to-Noise Ratio: 80 dB Typ. at 1 kHz (1Pa) 'A' weighted (Omni version); 74 dB Typ. at 1 kHz (1 Pa) 'A' weighted (Cardioid version)
- Battery: Two rechargeable NiMH included, standard AA size
- Battery Charge Time: 4 hrs
- Battery Talk Time: Up to 8 hrs continuous usage per charge, typical @ 1 mW
- Dimension: 3.9 L x 2.8 W x 0.69 H inches
- Weight: 0.25 lbs (0.12 Kg) including batteries



**Gooseneck Transmitter**

- Mic Polar Pattern: Cardioid
- Gooseneck Lengths: 6, 12 or 18 inch, with double bend
- RF Output: 1, 10, 25 or 50 mW, user-selectable
- Frequency Response: 60 - 15 kHz
- Signal-to-Noise Ratio: 74 dB Typ. at 1 kHz (1Pa) 'A' weighted
- Antenna: Internal
- Power: USB or AA rechargeable (included) or AA disposal
- Button: Press-to-talk, press-to-mute (or logic mute), toggle on/off
- LED Indicators: Battery status, mute status
- Programmable Switch: Talk, mute, logic mute, on / off
- Battery: Four rechargeable NiMH included, standard AA size
- Battery Requirement: AA batteries for Gooseneck Podium
- Battery Charge Time: 4 hrs
- Battery Talk Time: Up to 16 hrs continuous usage per charge, typical @ 1mW
- Dimension: 6.1 L x 4.6 W x 1.4 H inches
- Weight: 1.60 lbs (0.72 Kg) including batteries



		Part Number	910-6000-800 (comes free with Receiver)	
Category	Part Numbers	Name		
Extension Antenna Cable (the cables are required 2ea)	DSA-Cables(10)-P	Extension Antenna Cable RG58, 10 Ft		
	DSA-Cables(25)-P	Extension Antenna Cable RG58, 25 Ft		
	DSA-Cables(50)-P	Extension Antenna Cable RG58, 50 Ft		
	DSA-Cables(75)-P	Extension Antenna Cable RG58, 75 Ft		
	DSA-Cables(100)-P	Extension Antenna Cable RG58, 100 Ft		
	CNLMR400TNC-25	Extension Antenna Cable LMR400, 25 Ft		
	CNLMR400TNC-50	Extension Antenna Cable LMR400, 50 Ft		
	CNLMR400TNC-75	Extension Antenna Cable LMR400, 75 Ft		
	CNLMR400TNC-100	Extension Antenna Cable LMR400, 100 Ft		
	CNLMR400TNC-150	Extension Antenna Cable LMR400, 150 Ft		
	CNLMR400TNC-200	Extension Antenna Cable LMR400, 200 Ft		
	CNLMR400TNC-300	Extension Antenna Cable LMR400, 300 Ft		
	CNLMR400TNC-400	Extension Antenna Cable LMR400, 400 Ft		
	CNLMR400TNC-500	Extension Antenna Cable LMR400, 500 Ft		
	CN25810TNC-25	Extension Antenna Cable RG8, 25 Ft		
	CN25810TNC-50	Extension Antenna Cable RG8, 50 Ft		
CN25810TNC-75	Extension Antenna Cable RG8, 75 Ft			
CN25810TNC-100	Extension Antenna Cable RG8, 100 Ft			
CN25810TNC-150	Extension Antenna Cable RG8, 150 Ft			
CN25810TNC-200	Extension Antenna Cable RG8, 200 Ft			
Extension Antenna Combiner	910-6005-200 (2way)			
	910-6005-300 (3way)			
	910-6005-400 (4way)			
Wireless Extension Antenna Ceiling Mount Without Cables	910-6005-411	M915 (902-928 MHz)		
	910-6005-412	M715 (712-737 MHz)		
	910-6005-413	M610 (605-631 MHz)		
	910-6005-414	M500 (486-512 MHz)		
	910-6005-415	M586 (573-599 MHz)		
	910-6005-416	M800 (793-819 MHz)		
	910-6005-417	M930 (917-943 MHz)		
910-6005-418	M550 (537-563 MHz)			
Model	Part Numbers	RF Range	Available Options	
Cardioid version	910-6001-001	M915 (902-928 MHz)	-C : Audio Compression	
	910-6001-002	M715 (712-737 MHz)		
	910-6001-003	M610 (605-631 MHz)		
	910-6001-004	M500 (486-512 MHz)		
	910-6001-008	M550 (537-563 MHz)		
	910-6001-005	M586 (573-599 MHz)		
	910-6001-006	M800 (793-819 MHz)		
910-6001-007	M930 (917-943 MHz)			
Omni version	910-6001-011	M915 (902-928 MHz)		
	910-6001-012	M715 (712-737 MHz)		
	910-6001-013	M610 (605-631 MHz)		
	910-6001-014	M500 (486-512 MHz)		
	910-6001-018	M550 (537-563 MHz)		
	910-6001-015	M586 (573-599 MHz)		
	910-6001-016	M800 (793-819 MHz)		
910-6001-017	M930 (917-943 MHz)			
Model	Part Numbers	RF Range	Available Options	
6-inch neck	910-6002-061	M915 (902-928 MHz)	-C : Audio Compression	
	910-6002-062	M715 (712-737 MHz)		
	910-6002-063	M610 (605-631 MHz)		
	910-6002-064	M500 (486-512 MHz)		
	910-6002-068	M550 (537-563 MHz)		
	910-6002-065	M586 (573-599 MHz)		
	910-6002-066	M800 (793-819 MHz)		
910-6002-067	M930 (917-943 MHz)			
12-inch neck	910-6002-121	M915 (902-928 MHz)		
	910-6002-122	M715 (712-737 MHz)		
	910-6002-123	M610 (605-631 MHz)		
	910-6002-124	M500 (486-512 MHz)		
	910-6002-128	M550 (537-563 MHz)		
	910-6002-125	M586 (573-599 MHz)		
	910-6002-126	M800 (793-819 MHz)		
910-6002-127	M930 (917-943 MHz)			
18-inch neck	910-6002-181	M915 (902-928 MHz)		
	910-6002-182	M715 (712-737 MHz)		
	910-6002-183	M610 (605-631 MHz)		
	910-6002-184	M500 (486-512 MHz)		
	910-6002-188	M550 (537-563 MHz)		
	910-6002-185	M586 (573-599 MHz)		
	910-6002-186	M800 (793-819 MHz)		
910-6002-187	M930 (917-943 MHz)			

PRODUCT SPECIFICATIONS

**Handheld Transmitter**

- Mic Polar Pattern: Cardioid, Super-Cardioid
- RF Output: 1, 10, 25 or 50 mW, user-selectable
- Frequency Response: 60 - 15 kHz
- Signal-to-Noise Ratio: : 74 dB Typ. at 1 kHz (1Pa) 'A' weighted
- Antenna: Internal
- Display: OLED
- Power: USB or AA rechargeable (included) or AA disposal
- Indicators: Battery status, mute status
- Programmable Switch: Talk, mute, logic mute, on / off
- Battery: Two rechargeable NiMH included, standard AA size
- Battery Charge Time: 4 hrs
- Battery Talk Time: Up to 8 hrs continuous usage per charge, typical @ 1mW
- Dimension: 10.2 L x 1.4 W x 1.4 H inches
- Weight: 0.75 lbs (0.34 Kg) including batteries



Model	Part Numbers	RF Range	Available Options
Handheld mic	910-6003-001	M915 (902-928 MHz)	-C : Audio Compression
	910-6003-002	M715 (712-737 MHz)	
	910-6003-003	M610 (605-631 MHz)	
H18 Electret Cardioid	910-6003-004	M500 (486-512 MHz)	
	910-6003-008	M550 (537-563 MHz)	
	910-6003-005	M586 (573-599 MHz)	
	910-6003-006	M800 (793-819 MHz)	
910-6003-007	M930 (917-943 MHz)		

Model	Part Numbers	RF Range	Available Options
H13 Dynamic Cardioid	910-6003-011	M915 (902-928 MHz)	-C : Audio Compression
	910-6003-012	M715 (712-737 MHz)	
	910-6003-013	M610 (605-631 MHz)	
	910-6003-014	M500 (486-512 MHz)	
	910-6003-018	M550 (537-563 MHz)	
	910-6003-015	M586 (573-599 MHz)	
	910-6003-016	M800 (793-819 MHz)	
910-6003-017	M930 (917-943 MHz)		

**Beltpack Transmitter**

- RF Output: 1, 10, 25 or 50 mW, user-selectable
- Antenna: External, field-replaceable
- Display: OLED
- Power: USB, AA rechargeable (included), or AA disposable
- Indicators: Battery status, mute status
- Programmable Switch: Talk, mute, logic mute, on / off
- Mic Input Impedance: 47 K Ohms
- Mic Bias: 3 V
- Mic Connector: TA4
- Battery: Two rechargeable NiMH included, standard AA size
- Battery Charge Time: 4 hrs
- Battery Talk Time: Up to 8 hrs continuous usage per charge, typical @ 1 mW
- Dimension: 2.8 L x 2.4 W x 0.66 H inches
- Weight: 0.35 lbs (0.16 Kg) including batteries



Beltpack Transmitter



Headset Mic



Lavalier Mic

Model	Part Numbers	RF Range	Available Options
Beltpack Transmitter	910-6004-001	M915 (902-928 MHz)	-C : Audio Compression
	910-6004-002	M715 (712-737 MHz)	
	910-6004-003	M610 (605-631 MHz)	
	910-6004-004	M500 (486-512 MHz)	
	910-6004-008	M550 (537-563 MHz)	
	910-6004-005	M586 (573-599 MHz)	
	910-6004-006	M800 (793-819 MHz)	
910-6004-007	M930 (917-943 MHz)		
Lavalier Mic	910-6004-010	Lavalier Mic for Beltpack (omni)	
Lanyard Mic	910-6004-050	Lanyard Mic for Belt-pack (omni)	
Headset Mic	910-6004-020	Headset Black (Omni)	
Headset Mic	910-6004-020-T	Headset Tan (Omni)	
Docking Station	910-6004-800	8-Bay Docking Station	

**Lavalier Mic for Beltpack Transmitter**

- Mic Polar Pattern: Cardioid, Omni
- Frequency Response: 20 - 20 kHz
- Signal-to-Noise Ratio: Above 56 dB at 1 kHz (1Pa) 'A' weighted

**Headset/Lanyard Mic for Beltpack Transmitter**

- Mic Polar Pattern: Omni
- Frequency Response: 50 - 18 kHz
- Signal-to-Noise Ratio: Above 56 dB at 1 kHz (1 Pa) 'A' weighted
- Headset: Single-ear headset

SALES AND INQUIRIES

Headquarters

5225 Wiley Post Way,  
Suite 500  
Salt Lake City, UT 84116

US & Canada

Tel: 801.975.7200

International

Tel: +1.801.975.7200

Sales

Tel: 801.975.7200  
sales@clearone.com

TechSupport

Tel: 801.974.3760  
audiotechsupport@clearone.com